

Markhor Junior Contest 2019

Elementary Level (Class V & VI) Mathematics

Time Allowed 60 Minutes

There are 19 problems, graded as follows:

Questions 1-5 are 1 point each,

Questions 6-10 are 2 points each,

Questions 11-15 are 3 points each,

Questions 16-19 are 5 points each.

1. The smallest two digit number is
 - a) 10
 - b) 90
 - c) 99
 - d) None
2. 7500 rounded off to the nearest thousand is
 - a) 8000
 - b) 7600
 - c) 7000
 - d) None
3. Estimation of 7839 to nearest tens is
 - a) 7830
 - b) 7840
 - c) 7839
 - d) 7800
4. The predecessor of 1 million is
 - a) 9999
 - b) 99999
 - c) 999999
 - d) 1000001

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5. There are 8 prime numbers between 22 and 54:

a) 5

b) 8

c) 10

d) 11

6. The number of whole numbers between the smallest whole number and the greatest 2-digit number is

a) 100

b) 99

c) 98

d) 88

7. On dividing a number by 9 we get 47 as quotient and 5 as remainder. The number is

a) 418

b) 428

c) 429

d) None of these

8. If a is any whole number, then $a \div 1 =$

a) a

b) 1

c) 0

d) a^2

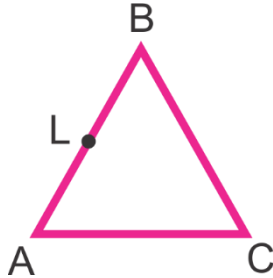
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9. By selling a laptop for Rs.23,000, a dealer earns a profit of 15% its cost price is
- a) Rs. 20,000
 - b) Rs. 15,000
 - c) Rs. 38,000
 - d) Rs. 18000
10. The number of distinct prime factors of the smallest 5 digit number is
- a) 2
 - b) 4
 - c) 6
 - d) 8
11. Which of the following is a pair of twin- prime numbers?
- a) 19,21
 - b) 43,47
 - c) 41, 43
 - d) 73,79
12. Which of the following numbers has the unique property of being both a perfect square and a perfect cube?
- a) 125
 - b) 100
 - c) 64
 - d) 512

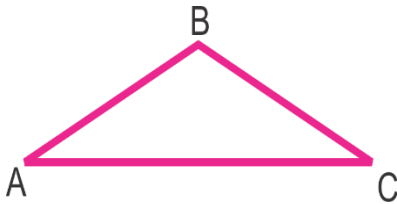
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13. In the given triangle ABC, the point L lies

- a) in the interior of $\triangle ABC$
- b) in the exterior of $\triangle ABC$
- c) on $\triangle ABC$
- d) None of these



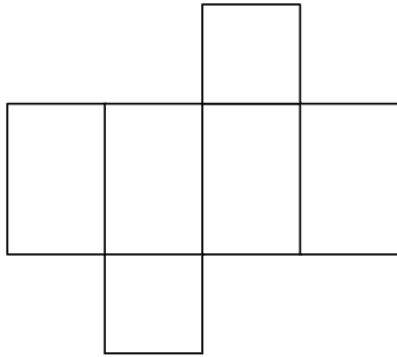
14. The angle opposite to side AC in the given triangle is



- (a) Only $\angle A$
- (b) Both $\angle B$ and $\angle A$
- (c) Both $\angle B$ and $\angle C$
- (d) Only $\angle B$

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15. The following figure is the net of a_____.



- a) Cube
- b) **Cuboid**
- c) Triangular pyramid
- d) Pentagonal prism

16. If the perimeter of a square is 36cm, then its area is

- a) 6 cm^2
- b) 9 cm^2
- c) **18 cm^2**
- d) 81 cm^2

17. If the sides of a square are halved then its area

- a) remains same
- b) becomes half
- c) **becomes one- fourth**
- d) doubles

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18. Smallest multiple of number is the _____

- a) number itself
- b) 0
- c) 10
- d) 1

19. Which of the following daily life situation best describes rotation?

- a) Opening a sliding glass door
- b) Flipping a page in a book
- c) closing a drawer in the desk
- d) Turning the minute hand of a clock to adjust time